

IN THE CLAIMS:

In accordance with the Revised Rules under 37 C.F.R. 1.121, please amend the claims as shown below and indicated as “currently amended.” Also shown below are claims that may be original, cancelled, withdrawn, previously presented, new, and not entered.

1. (previously presented) A computer implemented process for searching a database of entries, comprising the steps of:

providing a database of entries, at least part of said entries being mapped to a set of categories, at least part of said entries being associated with key phrases;

in response to a first query of a user with a set of search terms,
selecting among said set of categories, at least one category mapped to the entries returned by said query;

dynamically extracting the key phrases associated with the entries returned by said query;

dynamically selecting a subset of said extracted key phrases;
displaying to the user said selected categories and said selected key phrases in addition to a list of entries returned by the query; and

in response to the user activating one of said displayed categories or said displayed key phrases, starting a second query refining the first query to a subset of the entries returned by said first query.

2. (previously presented) The process of claim 1, wherein the categories are organized in a tree or directed acyclic graph structure.

3. (previously presented) The process of claim 1, wherein the key phrases are a sequence of words or a sequence of stemmed words.

4. (previously presented) The process of claim 1, wherein the selected categories and selected key phrases are displayed similarly.

5. (previously presented) The process of claim 1, wherein the selected categories are displayed separately from selected key phrases.

6. (previously presented) The process of one of claims 1, further including that step of

starting a new query when a user activates one of said displayed categories and one of said displayed key phrases.

7. (previously presented) The process of claim 6, wherein the step of activating includes excluding from said query of the user a displayed category or key phrase.

8. (previously presented) The process of claim 6, wherein the step of activating includes refining the query of the user to said category or key phrase.

9. (original) The process of one of claims 1, further including displaying to the user a list of entries returned by the query.

10. (original) The process of claim 9, further including displaying in said list a category to which at least an entry of said list is mapped.

11. (original) The process of claim 10, further including displaying the entries included in a category when the user selects said category in said list.

12. (original) The process of claim 11, further including ranking the entries included in said category before they are displayed.

13. (original) The process of one of claims 2, wherein categories are hierarchically organized, and wherein the step of displaying includes displaying categories of different hierarchical levels.

14. (original) The process of claim 1, wherein a category is formed of a set of at least two attributes.

15. (previously presented) A computer implemented process for searching a database of entries, comprising the steps of:

providing a database of entries, at least part of said entries being mapped to a set of hierarchically organized categories, at least part of said entries being associated with key phrases;

in response to a first query of a user with a set of search terms,

selecting among said set of categories, categories of different hierarchical levels mapped to the entries returned by said query;

dynamically extracting the key phrases associated with the entries returned by said query

dynamically selecting a subset of the key phrases associated with the entries

returned by said query;

displaying to the user said selected categories and said selected key phrases in addition to a list of entries returned by the query; and

in response to the user, activating one of said displayed categories or said displayed key phrases, starting a second query refining the first query to a subset of the entries returned by said first query.

16. (original) The process of claim 15, wherein the categories are organized in a tree or directed acyclic graph structure.

17. (previously presented) The process of claim 15, wherein a key phrase is a sequence of words or a sequence of stemmed words.

18. (previously presented) The process of claim 15, wherein the selected categories and selected key phrases are displayed similarly.

19. (previously presented) The process of claim 15, wherein the selected categories are displayed separately from selected key phrases.

20. (previously presented) The process of one of claims 15, further including the step of starting a new query when a user activates one of said displayed categories and key phrases.

21. (previously presented) The process of claim 15, wherein the step of activating includes excluding from the said query of the user a displayed category or key phrase.

22. (previously presented) The process of claim 15, wherein the step of activating includes refining the query of the user to said category or key phrase.

23. (original) The process of one of claims 15, further including displaying to the user a list of entries returned by the query.

24. (original) The process of claim 23, further including displaying in said list a category to which at least an entry of said list is mapped.

25. (original) The process of claim 24, further including displaying the entries included in a category when the user selects said category in said list.

26. (original) The process of claim 25, further including ranking the entries included in said category before they are displayed.

27. (original) The process of claim 15, wherein a category is formed of a set of at least two

attributes.

28. (previously presented) A computer implemented searching tool comprising:
a search server for receiving queries from users, the search server transmitting results to users;
a database of entries, at least part of said entries being mapped to a set of categories, at least part of said entries being associated with key phrases, wherein the search server includes
means for searching the database and for selecting among said set of categories, categories mapped to the entries returned by a first query;
means for dynamically selecting key phrases associated with the entries returned by said query;
means for dynamically extracting the key phrases associated with the entries returned by said query;
wherein the results transmitted to the users include said selected categories and said selected key phrases in addition to a list of entries returned by the query; and
means for activating one of said selected categories and said selected key phrases to start a second query refining the first query, the second query returning a subset of the entries returned by the first query.

29. (original) The tool of claim 28, wherein the search server is a HTTP server.

30. (original) The tool of claim 28, wherein the entries are textual entries and the database includes an inverted index, said categories being entries of said inverted index.

31. (previously presented) A process for searching a database of entries in a computer implementation, comprising the steps of:

providing a database of entries, at least part of said entries being mapped to a set of categories, at least part of said entries being associated with key phrases;
in response to a first query of a user;
selecting, among said set of categories, categories mapped to the entries returned by said query;
dynamically extracting the key phrases associated with the entries returned by said query;

dynamically selecting a subset of said extracted key phrases associated with the entries returned by said query;

displaying to the user said selected categories and said selected key phrases in addition to a list of entries returned by the query, wherein a category in said set of categories is formed of a set of at least two attributes; and

in response to the user activating one of said displayed categories and said displayed key phrases, starting a second query refining the first query to a set of entries returned by the first query.

32. (original) The process of claim 31, wherein the categories are organized in a tree or directed acyclic graphic structure.

33. (previously presented) The process of claim 31, wherein a key phrase is a sequence of words or a sequence of stemmed words.

34. (previously presented) The process of claim 31, wherein the selected categories and selected key phrases are displayed similarly.

35. (previously presented) The process of claim 31, wherein the selected categories are displayed separately from selected key phrases.

36. (previously presented) The process of one of claims 31, further comprising a step of starting a new query when a user activates one of said displayed categories and key phrases.

37. (previously presented) The process of claim 36, wherein the step of activating comprises excluding from the said query of the user a displayed category or key phrase.

38. (previously presented) The process of claim 37, wherein the step of activating comprises refining the said query of the user to the said category or key phrase.

39. (original) The process of claim 31, further comprising displaying to the user a list of entries returned by the query.

40. (original) The process of claim 39, further comprising displaying in said list a category to which at least an entry of said list is mapped.

41. (original) The process of claim 40, further comprising displaying the entries comprised in a category when the user selects said category in said list.

42. (original) The process of claim 41, further comprising ranking the entries comprised in

said category before they are displayed.